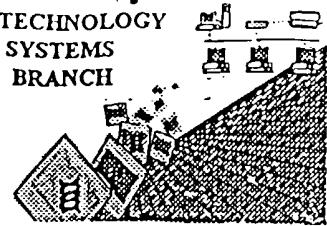


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/774,147 A
Source: STFWB
Date Processed by STIC: 5/19/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/04/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/774,147A

DATE: 05/19/2004
TIME: 08:15:39

Input Set : A:\10050-03USAUSA.ST25.txt
Output Set: N:\CRF4\05192004\J774147A.raw

3 <110> APPLICANT: POSTECH Foundation
 4 POSCO
 5 RYU, Sung-Ho
 6 BAE, Yoe-Sik
 7 PARK, Eun-Young
 8 SUH, Pann-Ghill
 10 <120> TITLE OF INVENTION: LEUKOCYTE STIMULATING PEPTIDES
 12 <130> FILE REFERENCE: 10050-03USA
 14 <140> CURRENT APPLICATION NUMBER: US 10/774,147A
 15 <141> CURRENT FILING DATE: 2004-02-06
 17 <150> PRIOR APPLICATION NUMBER: US 60/445,621
 18 <151> PRIOR FILING DATE: 2003-02-07
 20 <160> NUMBER OF SEQ ID NOS: 36
 22 <170> SOFTWARE: PatentIn version 3.3
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 6
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Artificial sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: Peptide - *INVALID Response*
 33 <220> FEATURE:
 34 <221> NAME/KEY: MISC_FEATURE
 35 <222> LOCATION: (1)..(1)
 36 <223> OTHER INFORMATION: Xaa can be Lys, Met, or Arg
 38 <220> FEATURE:
 39 <221> NAME/KEY: MISC_FEATURE
 40 <222> LOCATION: (3)..(3)
 41 <223> OTHER INFORMATION: Xaa can be His, Lys, or Tyr
 43 <220> FEATURE:
 44 <221> NAME/KEY: MISC_FEATURE
 45 <222> LOCATION: (4)..(4)
 46 <223> OTHER INFORMATION: Xaa can be His, Lys, or Tyr
 48 <220> FEATURE:
 49 <221> NAME/KEY: MISC_FEATURE
 50 <222> LOCATION: (5)..(5)
 51 <223> OTHER INFORMATION: Xaa can be Lys, Pro, Arg, Val, or Tyr
 53 <400> SEQUENCE: 1
 W--> 55 Xaa Lys Xaa Xaa Xaa Met
 56 1 5
 59 <210> SEQ ID NO: 2
 60 <211> LENGTH: 6
 61 <212> TYPE: PRT
 62 <213> ORGANISM: Artificial sequence

Does Not Comply
Corrected Diskette Needed

(PS, 1-5)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/774,147A

DATE: 05/19/2004

TIME: 08:15:39

Input Set : A:\10050-03USAUSA.ST25.txt
 Output Set: N:\CRF4\05192004\J774147A.raw

64 <220> FEATURE:
 65 <223> OTHER INFORMATION: Peptide *(circled)* - Invalid Response
 68 <220> FEATURE:
 69 <221> NAME/KEY: MISC_FEATURE
 70 <222> LOCATION: (4)..(4)
 71 <223> OTHER INFORMATION: Xaa can be His, Lys, or Tyr.
 73 <220> FEATURE:
 74 <221> NAME/KEY: MISC_FEATURE
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 76 <223> OTHER INFORMATION: Xaa can be Lys, Pro, Arg, Val, or Tyr.
 78 <220> FEATURE:
 79 <221> NAME/KEY: MISC_FEATURE
 80 <222> LOCATION: (6)..(6)
 81 <223> OTHER INFORMATION: Xaa can be Met.
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 86 1 5
 89 <210> SEQ ID NO: 3
 90 <211> LENGTH: 6
 91 <212> TYPE: PRT
 92 <213> ORGANISM: Artificial sequence
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 95 <223> OTHER INFORMATION: Peptide *(circled)* - same error
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 99 <221> NAME/KEY: MISC_FEATURE
 100 <222> LOCATION: (4)..(4)
 101 <223> OTHER INFORMATION: Xaa can be His, Lys, or Tyr.
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 104 <221> NAME/KEY: MISC_FEATURE
 105 <222> LOCATION: (5)..(5)
 106 <223> OTHER INFORMATION: Xaa can be Lys, Pro, Arg, Val, or Tyr.
 108 <220> FEATURE:
 109 <221> NAME/KEY: MISC_FEATURE
 110 <222> LOCATION: (6)..(6)
 111 <223> OTHER INFORMATION: Xaa can be Met.
 113 <400> SEQUENCE: 3
W--> 115 Lys Lys Tyr Xaa Xaa Xaa
 116 1 5
 119 <210> SEQ ID NO: 4
 120 <211> LENGTH: 6
 121 <212> TYPE: PRT
 122 <213> ORGANISM: Artificial sequence
 124 <220> FEATURE:
 125 <223> OTHER INFORMATION: Peptide *(circled)* - same error
 128 <220> FEATURE:
 129 <221> NAME/KEY: MISC_FEATURE
 130 <222> LOCATION: (4)..(4)
 131 <223> OTHER INFORMATION: Xaa can be His, Lys, or Tyr.
 133 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/774,147A

DATE: 05/19/2004

TIME: 08:15:39

Input Set : A:\10050-03USAUSA.ST25.txt
 Output Set: N:\CRF4\05192004\J774147A.raw

134 <221> NAME/KEY: MISC_FEATURE
 135 <222> LOCATION: (5)..(5)
 136 <223> OTHER INFORMATION: Xaa can be Lys, Pro, Arg, Val, or Tyr.
 138 <220> FEATURE:
 139 <221> NAME/KEY: MISC_FEATURE
 140 <222> LOCATION: (6)..(6)
 141 <223> OTHER INFORMATION: Xaa can be Met.
 143 <400> SEQUENCE: 4
W--> 145 Arg Lys Tyr Xaa Xaa Xaa
 146 1 5
 149 <210> SEQ ID NO: 5
 150 <211> LENGTH: 6
 151 <212> TYPE: PRT
 152 <213> ORGANISM: Artificial sequence
 154 <220> FEATURE:
 155 <223> OTHER INFORMATION: Peptide
 158 <220> FEATURE:
 159 <221> NAME/KEY: MISC_FEATURE
 160 <222> LOCATION: (4)..(4)
 161 <223> OTHER INFORMATION: Xaa can be His, Lys, or Tyr.
 163 <220> FEATURE:
 164 <221> NAME/KEY: MISC_FEATURE
 165 <222> LOCATION: (5)..(5)
 166 <223> OTHER INFORMATION: Xaa can be Lys, Pro, Arg, Val, or Tyr.
 168 <220> FEATURE:
 169 <221> NAME/KEY: MISC_FEATURE
 170 <222> LOCATION: (6)..(6)
 171 <223> OTHER INFORMATION: Xaa can be Met.
 173 <400> SEQUENCE: 5
W--> 175 Met Lys Tyr Xaa Xaa Xaa
 176 1 5
 179 <210> SEQ ID NO: 6
 180 <211> LENGTH: 6
 181 <212> TYPE: PRT
 182 <213> ORGANISM: Artificial sequence
 184 <220> FEATURE:
 185 <223> OTHER INFORMATION: Peptide
 188 <220> FEATURE:
 189 <221> NAME/KEY: MISC_FEATURE
 190 <222> LOCATION: (1)..(1)
 191 <223> OTHER INFORMATION: Xaa can be Lys, Met, or Arg.
 193 <220> FEATURE:
 194 <221> NAME/KEY: MISC_FEATURE
 195 <222> LOCATION: (2)..(2)
 196 <223> OTHER INFORMATION: Xaa can be Lys.
 198 <220> FEATURE:
 199 <221> NAME/KEY: MISC_FEATURE
 200 <222> LOCATION: (3)..(3)
 201 <223> OTHER INFORMATION: Xaa can be His, Lys, or Tyr.

↙ SAME
 errors

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/774,147A

DATE: 05/19/2004
TIME: 08:15:39

Input Set : A:\10050-03USAUSA.ST25.txt
Output Set: N:\CRF4\05192004\J774147A.raw

203 <400> SEQUENCE: 6
W--> 205 Xaa Xaa Xaa His Lys Met
 206 1 5
 209 <210> SEQ ID NO: 7
 210 <211> LENGTH: 6
 211 <212> TYPE: PRT
 212 <213> ORGANISM: Artificial sequence
 214 <220> FEATURE:
 215 <223> OTHER INFORMATION: Peptide (circled)
 218 <220> FEATURE:
 219 <221> NAME/KEY: MISC_FEATURE
 220 <222> LOCATION: (1)..(1)
 221 <223> OTHER INFORMATION: Xaa can be Lys, Met, or Arg.
 223 <220> FEATURE:
 224 <221> NAME/KEY: MISC_FEATURE
 225 <222> LOCATION: (2)..(2)
 226 <223> OTHER INFORMATION: Xaa can be Lys.
 228 <220> FEATURE:
 229 <221> NAME/KEY: MISC_FEATURE
 230 <222> LOCATION: (3)..(3)
 231 <223> OTHER INFORMATION: Xaa can be His, Lys, or Tyr.
 233 <400> SEQUENCE: 7
W--> 235 Xaa Xaa Xaa His Val Met
 236 1 5
 239 <210> SEQ ID NO: 8
 240 <211> LENGTH: 6
 241 <212> TYPE: PRT
 242 <213> ORGANISM: Artificial sequence
 244 <220> FEATURE:
 245 <223> OTHER INFORMATION: Peptide (circled)
 248 <220> FEATURE:
 249 <221> NAME/KEY: MISC_FEATURE
 250 <222> LOCATION: (1)..(1)
 251 <223> OTHER INFORMATION: Xaa can be Lys, Met, or Arg.
 253 <220> FEATURE:
 254 <221> NAME/KEY: MISC_FEATURE
 255 <222> LOCATION: (2)..(2)
 256 <223> OTHER INFORMATION: Xaa can be Lys.
 258 <220> FEATURE:
 259 <221> NAME/KEY: MISC_FEATURE
 260 <222> LOCATION: (3)..(3)
 261 <223> OTHER INFORMATION: Xaa can be His, Lys, or Tyr.
 263 <400> SEQUENCE: 8
W--> 265 Xaa Xaa Xaa Tyr Lys Met
 266 1 5
 269 <210> SEQ ID NO: 9
 270 <211> LENGTH: 6
 271 <212> TYPE: PRT
 272 <213> ORGANISM: Artificial sequence

Same errors

C

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/774,147A

DATE: 05/19/2004

TIME: 08:15:39

Input Set : A:\10050-03USAUSA.ST25.txt
Output Set: N:\CRF4\05192004\J774147A.rawSome errors

274 <220> FEATURE:
 275 <223> OTHER INFORMATION: Peptide
 278 <220> FEATURE:
 279 <221> NAME/KEY: MISC_FEATURE
 280 <222> LOCATION: (1)..(1)
 281 <223> OTHER INFORMATION: Xaa can be Lys, Met, or Arg.
 283 <220> FEATURE:
 284 <221> NAME/KEY: MISC_FEATURE
 285 <222> LOCATION: (2)..(2)
 286 <223> OTHER INFORMATION: Xaa can be Lys.
 288 <220> FEATURE:
 289 <221> NAME/KEY: MISC_FEATURE
 290 <222> LOCATION: (3)..(3)
 291 <223> OTHER INFORMATION: Xaa can be His, Lys, or Tyr.
 293 <400> SEQUENCE: 9
W--> 295 Xaa Xaa Xaa Tyr Pro Met
 296 1 5
 299 <210> SEQ ID NO: 10
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 301 <212> TYPE: PRT
 302 <213> ORGANISM: Artificial sequence
 304 <220> FEATURE:
 305 <223> OTHER INFORMATION: Peptide
 308 <220> FEATURE:
 309 <221> NAME/KEY: MISC_FEATURE
 310 <222> LOCATION: (1)..(1)
 311 <223> OTHER INFORMATION: Xaa can be Lys, Met, or Arg.
 313 <220> FEATURE:
 314 <221> NAME/KEY: MISC_FEATURE
 315 <222> LOCATION: (2)..(2)
 316 <223> OTHER INFORMATION: Xaa can be Lys.
 318 <220> FEATURE:
 319 <221> NAME/KEY: MISC_FEATURE
 320 <222> LOCATION: (3)..(3)
 321 <223> OTHER INFORMATION: Xaa can be His, Lys, or Tyr.
 323 <400> SEQUENCE: 10
W--> 325 Xaa Xaa Xaa Tyr Val Met
 326 1 5
 329 <210> SEQ ID NO: 11
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 331 <212> TYPE: PRT
 332 <213> ORGANISM: Artificial sequence
 334 <220> FEATURE:
 335 <223> OTHER INFORMATION: Peptide
 338 <220> FEATURE:
 339 <221> NAME/KEY: MISC_FEATURE
 340 <222> LOCATION: (1)..(1)
 341 <223> OTHER INFORMATION: Xaa can be Lys, Met, or Arg.
 343 <220> FEATURE:

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/19/2004
PATENT APPLICATION: US/10/774,147A TIME: 08:15:40

Input Set : A:\10050-03USAUSA.ST25.txt
Output Set: N:\CRF4\05192004\J774147A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,3,4,5 ✓
Seq#:2; Xaa Pos. 4,5,6 ✓
Seq#:3; Xaa Pos. 4,5,6 ✓
Seq#:4; Xaa Pos. 4,5,6 ✓
Seq#:5; Xaa Pos. 4,5,6 ✓
Seq#:6; Xaa Pos. 1,2,3 ✓
Seq#:7; Xaa Pos. 1,2,3 ✓
Seq#:8; Xaa Pos. 1,2,3 ✓
Seq#:9; Xaa Pos. 1,2,3 ✓
Seq#:10; Xaa Pos. 1,2,3 ✓
Seq#:11; Xaa Pos. 1,2,3 ✓

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/774,147A

DATE: 05/19/2004

TIME: 08:15:40

Input Set : A:\10050-03USAUSA.ST25.txt

Output Set: N:\CRF4\05192004\J774147A.raw

L:55 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0